

AMENDMENTS TO THE CLAIMS

Claim 1 (Currently Amended): An apparatus for processing visual signal to be displayed on a liquid crystal display (LCD), comprising:

a receiving means for receiving LCD backlight intensity information over a network from an end user terminal having the LCD;

an adaptation means for adapting one of or both of brightness and contrast of the visual signal based on the received LCD backlight intensity information; and

a transmitting means for transmitting the adapted visual signal over the network to the end user terminal.

Claim 2 (Previously Presented): The apparatus as recited in claim 1, wherein if the LCD backlight intensity information indicates that the backlight of the LCD is adjusted from the original luminance value Y to a value Y' , the adaptation means adapts the pixel value of the visual signal to a pixel value proper for the value Y' .

Claim 3 - 4 (Cancelled)

Claim 5 (Currently Amended): A method for processing visual signal to be displayed on a liquid crystal display (LCD), comprising the steps of:

a) receiving LCD backlight intensity information over a network from an end user terminal having the LCD;

b) adapting one of or both of brightness and contrast of the visual signal based on the received LCD backlight intensity information; and

c) transmitting the adapted visual signal over the network to the end user terminal.

Claim 6 (Previously Presented): The method as recited in claim 5, wherein if the LCD backlight intensity information indicates that the backlight of the LCD is adjusted from the original luminance value Y to a value Y' , the pixel value of the visual signal is adapted to a pixel value proper for the value Y' in the step b).

Claims 7 - 8 (Cancelled)

Claim 9 (Currently Amended): An apparatus for processing visual signal, comprising:

an end user terminal with a liquid crystal display (LCD) for generating and transmitting over a network LCD backlight intensity information, and displaying a visual signal on the LCD;

a receiving means for receiving the LCD backlight intensity information from the end user terminal;

an adaptation means for adapting one of or both of brightness and contrast of the visual signal based on the received LCD backlight intensity information; and

a transmitting means for transmitting the adapted visual signal over the network to the end user terminal.

Claim 10 (Previously Presented): The apparatus as recited in claim 9, wherein if the LCD backlight intensity information indicates that the backlight of the LCD is adjusted from the original luminance value Y to a value Y' , the adaptation means adapts the pixel value of the visual signal to a pixel value proper for the value Y' .

Claim 11 (Previously Presented): The apparatus as recited in claim 9, wherein the end user terminal dynamically generates the LCD backlight intensity information according to the visual signal displayed on the LCD.

Claim 12 (Currently Amended): A method for processing visual signal in a system comprising an end user terminal with a liquid crystal display (LCD) and an adaptation apparatus, comprising the steps of:

a) in the end user terminal, generating and transmitting LCD backlight intensity information over a network to the adaptation apparatus;

b) in the adaptation apparatus, receiving the LCD backlight intensity information from the end user terminal;

c) in the adaptation apparatus, adapting one of or both of brightness and contrast of the

visual signal based on the received LCD backlight intensity information;

d) in the adaptation apparatus, transmitting the adapted visual signal over the network to the end user terminal; and

e) in the end user terminal, receiving and displaying the adapted visual signal on the LCD.

Claim 13 (Previously Presented): The method as recited in claim 12, wherein if the LCD backlight intensity information indicates that the backlight of the LCD is adjusted from the original luminance value Y to a value Y' , the pixel value of the visual signal is adapted to a pixel value proper for the value Y' in the step c).

Claim 14 (Previously Presented): The method as recited in claim 12, wherein the step a) includes dynamically generating the LCD backlight intensity information according to the visual signal displayed on the LCD.